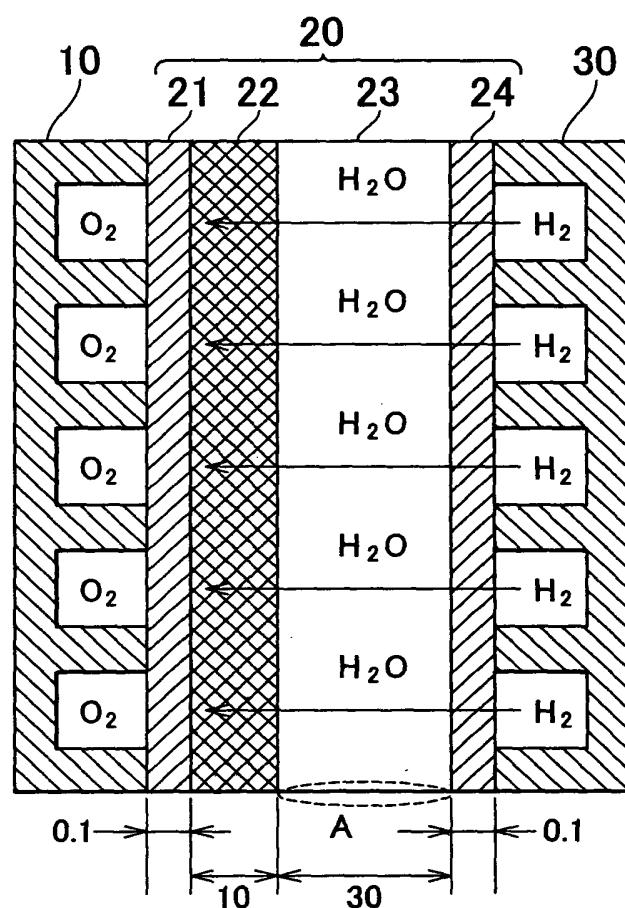


FIG. 1



F I G . 2

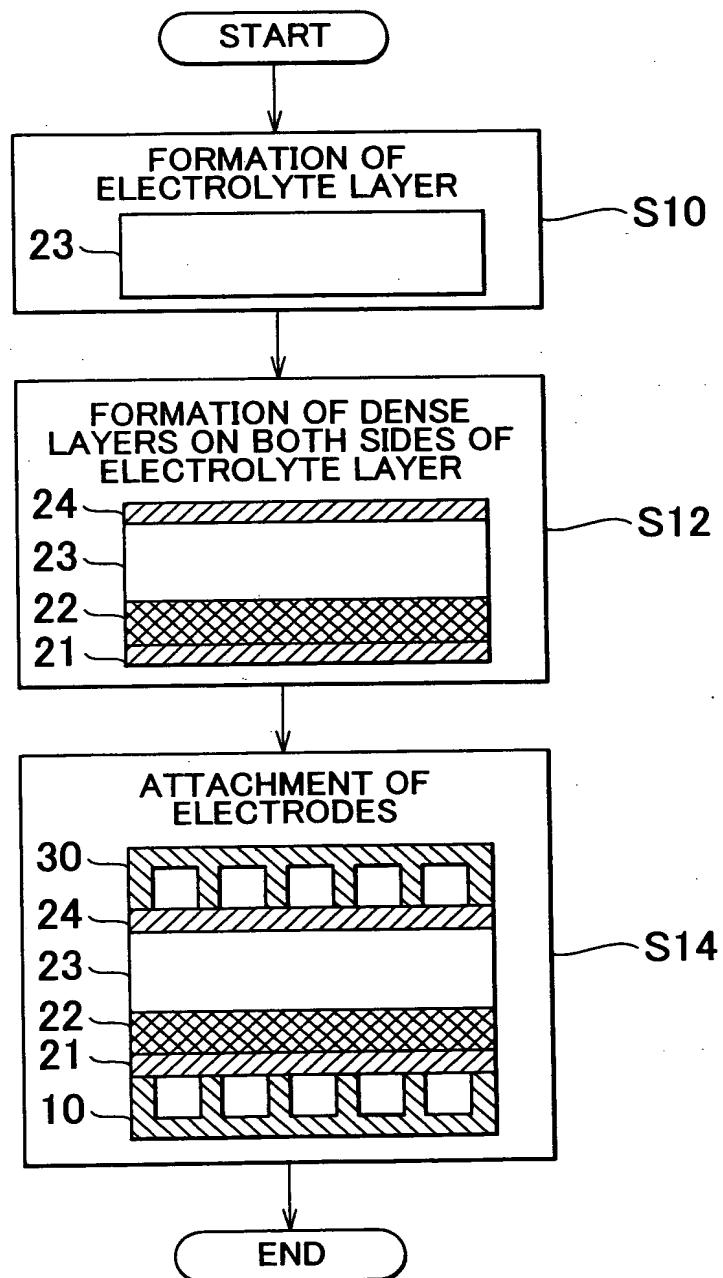


FIG. 3

O ₂ -ELECTRODE			
CASE	A	B	C
OXYGEN-ELECTRODE-SIDE DENSE LAYER	Pd	V-Ni	V-Ni
ELECTROLYTE LAYER			Pd
HYDROGEN-ELECTRODE-SIDE DENSE LAYER	Pd	Pd	Pd
H ₂ -ELECTRODE			

FIG. 4

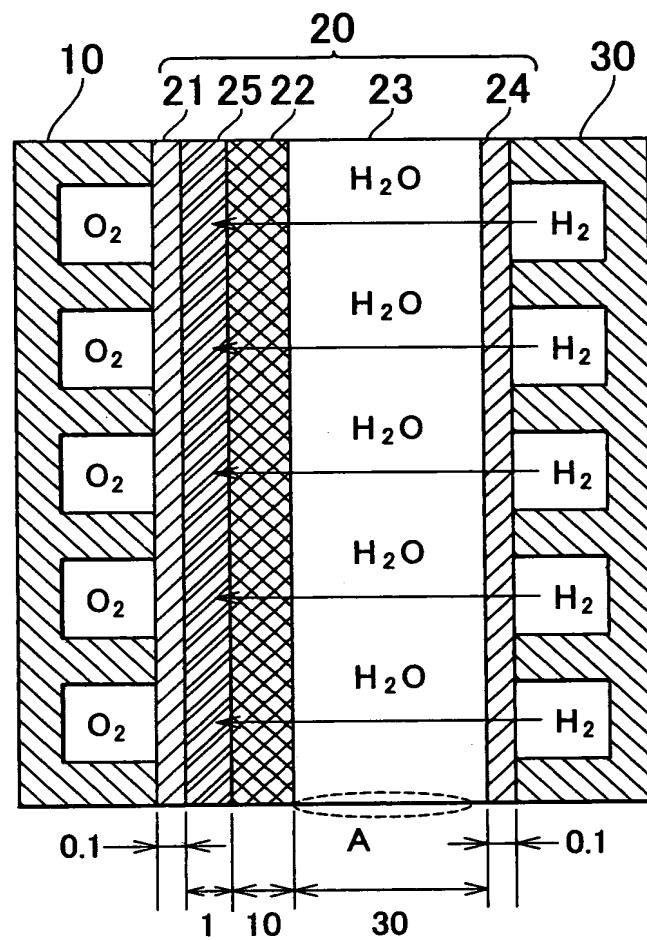


FIG. 5

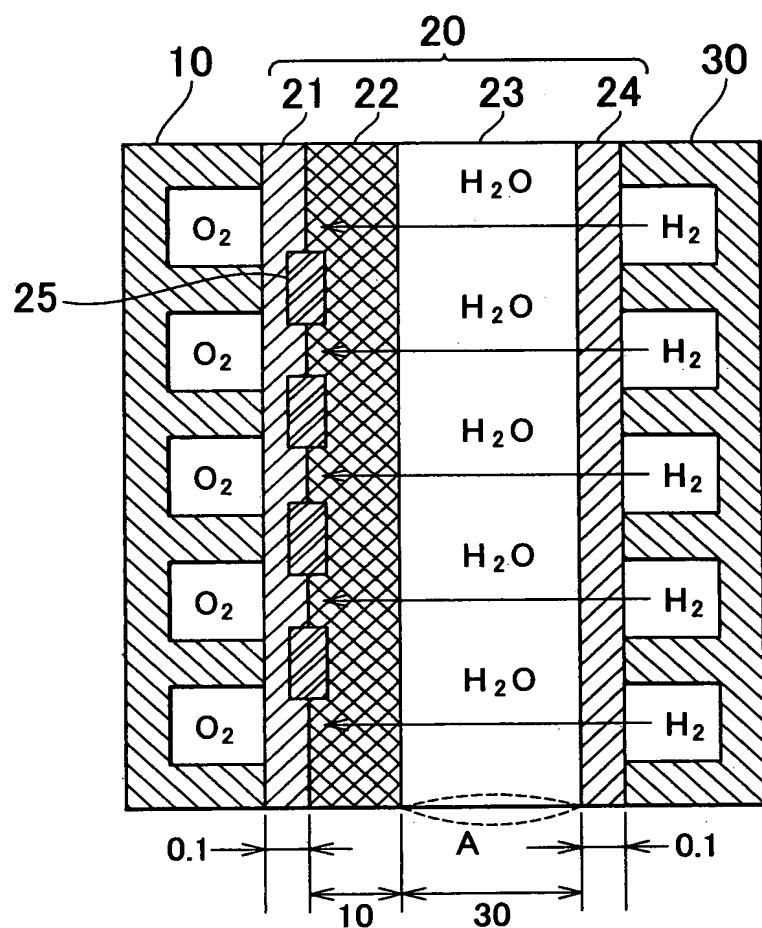


FIG. 6

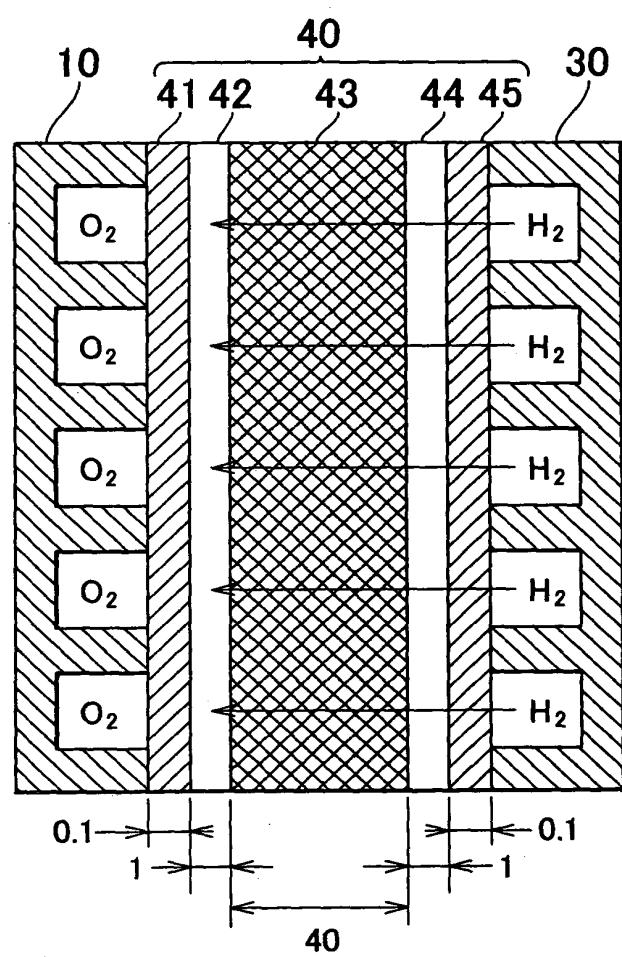


FIG. 7

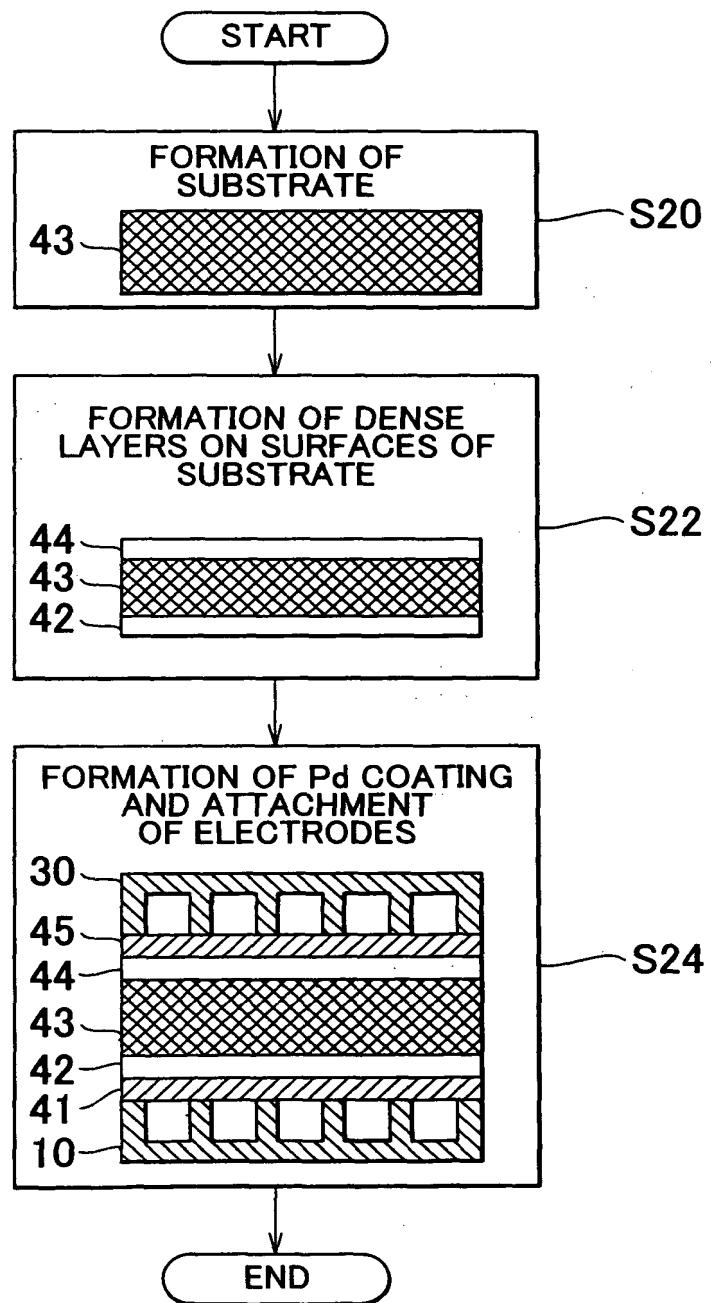


FIG. 8

CASE	L1	L2	L3	L4	L5	H ₂ -ELECTRODE	
	SUBSTRATE	ELECTROLYTE LAYER	SUBSTRATE	ELECTROLYTE LAYER	SUBSTRATE	Pd	Pd
A	Pd	O	V	O	-	-	-
B	Pd	V	O	Pd	-	-	-
C	Pd	V	O	-	-	-	-
D	-	-	O	Pd	-	-	-

O₂-ELECTRODE

FIG. 9

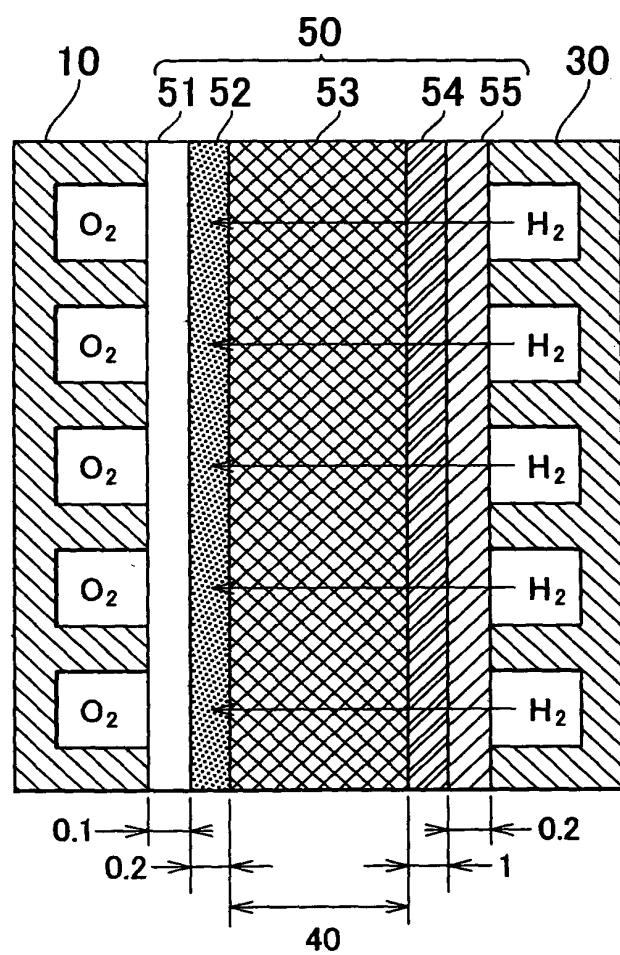


FIG. 10

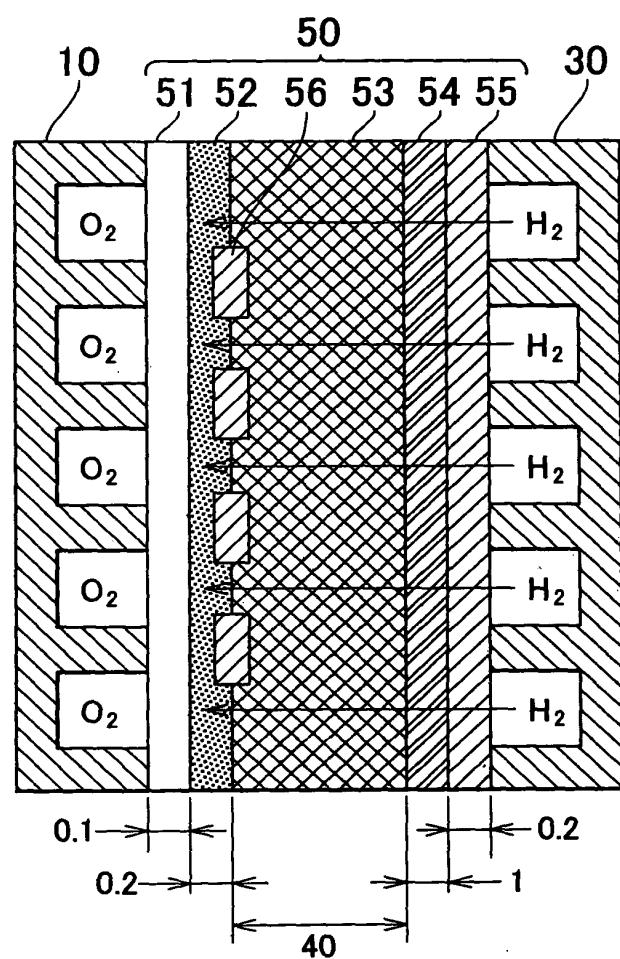


FIG. 11

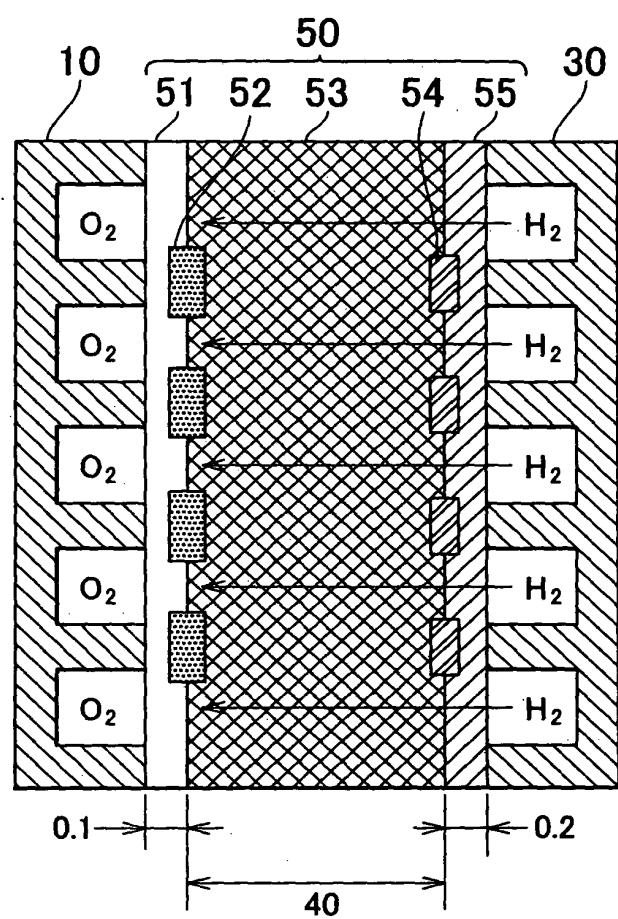


FIG. 12

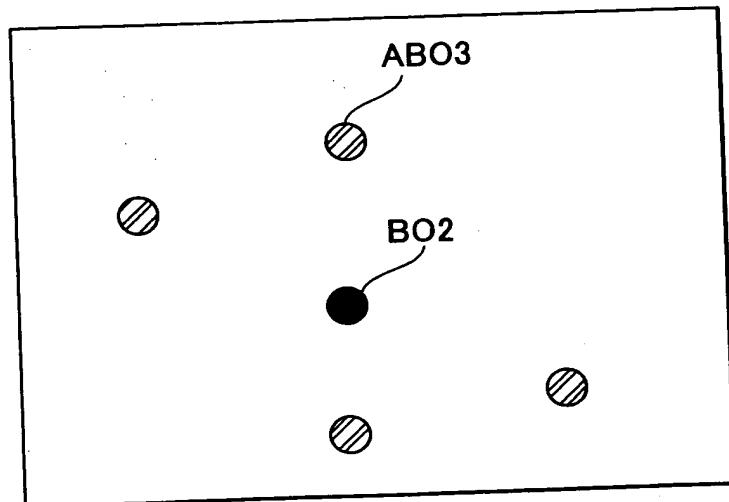
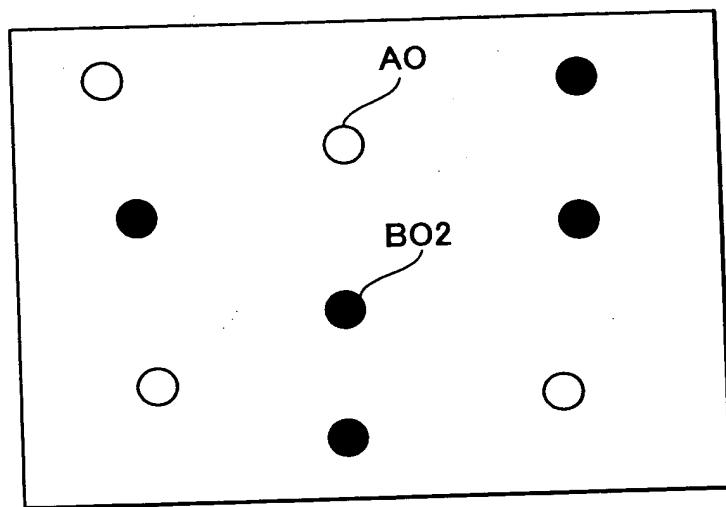


FIG. 13

